

Supplementary Material

Overexpression of *Triticum durum* *TdAnn12* gene confers stress tolerance through scavenging reactive oxygen species in transgenic tobacco

Rania Ben Saad^{A,E}, *Marwa Harbaoui*^A, *Walid Ben Romdhane*^{A,B}, *Nabil Zouari*^A, *Khong N. Giang*^D, *Anis Ben Hsouna*^{A,C} and *Faical Brini*^A

^ABiotechnology and Plant Improvement Laboratory, Centre of Biotechnology of Sfax (CBS)/University of Sfax, B.P. '1177' 3018, Sfax, Tunisia.

^BPlant Production Department, College of Food and Agricultural Sciences, King Saud University, PO Box 2460, 11451 Riyadh, Saudi Arabia.

^CDepartment of Life Sciences, Faculty of Sciences of Gafsa, Zarroug 2112, Gafsa, Tunisia.

^DInternational Joint Laboratory (LMI-RICE2), National Key Laboratory of Plant Cell Biotechnology, Agricultural Genetics Institute (AGI), Vietnam Academy of Agriculture Sciences (VAAS), Km2 Pham Van Dong Road, Co Nhue, Tu Liem District, Hanoi 10000, Vietnam.

^ECorresponding author. Email: raniabensaad@gmail.com

Table S1. Primers used in PCR and Real-Time qPCR assays

2

Primer name	Sequence 5'–3'
TdAnn12A-F	5'-ATGGCGACGCTCAAGGTCCCCT-3'
TdAnn12A-R	5'-TCACTCCTTCCCCAGGAGGGCA-3'
qTdAnn12-F	5'-CACAAGGTTGGCTCATTCAG-3'
qTdAnn12-R	5'-GAATGTTGCAAGCAGCTGAG-3'
ACT-F	5'-GTGCCCATTTACGAACGATA-3'
ACT-R	5'-GAAGACTCCATGCCGATCAT-3'
qSOS1-F	5'-TATCAGGTGGAGGCTAGAGC-3'
qSOS1-R	5'-TCATGCTCCCGTACATGCTC-3'
qNHX1-F	5'-TTGATGAGAGGCCGCAGTGTC-3'
qNHX1-R	5'-TTGACTGGCTAGAAGTGGCG-3'
qDREB1A-F	5'-ACTGGACGTCCTGAGTGACA-3'
qDREB1A-R	5'-GGCATCGGAAGCCAGAAAAG-3'
qCAT1-F	5'-TGCTCCAAAGTGTGCTCATC-3'
qCAT1-R	5'-GAAGCAAGCTTTTGACCCAG-3'
qAPX1-F	5'-AACGTTTGGGCTTTTCTCCT-3'
qAPX1-R	5'-TCAACAGCAACAACCTCCAGC-3'
qP5CS-F	5'-GCTGCTCAACAGGCTGGATA-3'
qP5CS-R	5'-CCATCAGCAACCTCCGTTCT-3'
qMnSOD-F	F-5'-TCCCCTACGACTATGGAGCA-3'
qMnSOD-R	5'-CGGTATGCAATTTGGCGACG-3'